



OCT - 3 2011

September 23, 2011

Ms. Sophia Grant-Branklyn
Watershed Protection Branch
Georgia Environmental Protection Division
4220 International Parkway, Suite 101
Atlanta, GA 30354

RE: Dalton Utilities Land Application System (LAS) Permit No. GA02-056

Dear Ms. Grant-Branklyn:

In accordance with the aforementioned permit, Dalton Utilities is submitting the enclosed renewal application and sludge addendum for our Land Application System (LAS) Permit, No. GA02-056.

Upon review, please feel free to contact me at (706) 529-1010 or dhaverland@dutil.com with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Dena Haverland".

Dena Haverland
Regulatory Manager

Enclosures (2)

APPLICATION FOR PERMIT
TO DISCHARGE TO A LAND APPLICATION SYSTEM

OCT 3 2011
APPLICATION NUMBER

DATE RECEIVED
FOR EPD USE

To be filed only by land application system/owner (Please print or type)

1. Name of Organization responsible for facility
Dalton Utilities

Address, location and telephone number of all pretreatment facilities

A. Mailing address: PO Box 869

1. Street address 1200 V.D Parrott Jr. Parkway
2. City Dalton 3. County Whitfield
4. State Georgia 5. Zip 30722-0869

B. Location: Attach detailed location map
See Attachment A

Abutment Road Treatment Plant (STP-2) *Plant 1 of 3*
1. Street 1259 V.D Parrott Jr. Parkway
2. City Dalton 3. County Whitfield
4. State Georgia

C. Contact Person: Dena Haverland
Title Regulatory Manager
Telephone Number (706) 529-1010

3. Specify the pretreatment units for each discharge to the land application site (s):

Abutment Road Wastewater Treatment Plant (STP-2) - This plant utilizes conventional biological treatment. The design capacity is 10 million gallons per day. The influent enters the plant through a bar screen, and is treated by primary clarifiers, trickling filters, aeration basins, and secondary clarifiers. The treated effluent flows to the Riverbend Treatment Plant. The treated effluent is pumped into a canal from which it is pumped out to the land application system. Treated effluent may also be stored in a holding reservoir before being pumped to the land application system. Additionally, the influent

to this plant and/or the treated effluent from this plant may be diverted to the other treatment facilities, thus allowing this facility to be off-line or have no discharge.

Riverbend Wastewater Treatment Plant (STP-3)

Plant 2 of 3

1. Street 2131 Riverbend Road
2. City Dalton 3. County Whitfield
4. State Georgia

C. Contact Person: Dena Haverland

Title Regulatory Manager

Telephone Number (706) 529-1010

3. Specify the pretreatment units for each discharge to the land application site(s):

Riverbend Wastewater Treatment Plant (STP-3) - This facility utilizes conventional biological treatment. The design capacity is 19.5 million gallons per day. The influent enters the plant through a bar screen and fine screen, flows into diffused air aeration basins, and then to secondary clarifiers. The treated effluent is then pumped into a canal from which it is pumped out to the land application system for treatment. Treated effluent may also be stored in a holding reservoir before being pumped to the land application system.

Loopers Bend Wastewater Treatment Plant (STP-4)

Plant 3 of 3

1. Street 924 Loopers Bridge Road
2. City Dalton 3. County Murray
4. State Georgia

C. Contact Person: Dena Haverland

Title Regulatory Manager

Telephone Number (706) 529-1010

3. Specify the pretreatment units for each discharge to the land application site(s):

Loopers Bend Wastewater Treatment Plant (STP-4) - This facility utilizes conventional biological treatment. The design capacity is 19.5 million gallons per. The influent enters the plant through a bar screen and fine screen, flows into diffused air aeration basins, and then to secondary clarifiers. The treated effluent is then pumped into a canal from which it is pumped out to the land application system for treatment. Treated effluent may also be stored in a holding reservoir before being pumped to the land application system.

4. Design flow (average daily) of facility 33 million gpd.
5. Area of irrigated surface: 4,605 acres
6. Area of total sites: 9,877 acres
7. Number of separate holding ponds 1 and capacity of each:
a. 2.4 billion gallons; b. _____ gallons; c. _____ gallons
8. Design hydraulic loading rate for the site: 2.5* inches/week
*per state guidelines
9. Design application rate for the site: 0.13 inches/hour
10. Attached map that includes numerical identification of all groundwater monitoring wells and locations and defines the boundaries of the site (s). Groundwater monitoring wells should be identified by the following symbols: Background wells B1, B2, B3, etc; on-site wells 01, 02, 03, etc; Perimeter wells P1, P2, P3 etc.
General Description: See Attachment B
Groundwater Monitoring Wells are designated as U (upgradient),
M (midgradient) and D (downgradient).
11. Description of groundwater monitoring wells: See Attachment B
As noted in the legend of the drawing, wells marked in blue make up the
EPD- approved groundwater monitoring network and wells marked in
green are additional wells monitored by Dalton Utilities.
12. Please include the last twelve (12) months of data in a table format for each groundwater monitoring well and clearly indicate which groundwater monitoring well the data applies. Also, please verify that the information includes nitrate-nitrogen data.
See Attachment C
13. List types of industrial wastewaters in the system including S. I. C. Codes and volume of wastewater discharged.
See Attachment D
14. Type of collection sewer system:
X A. Separate Sanitary

B. Combined Sanitary and Storm

C. Both separate and combined sewer systems

15. Define where the effluent sampling point is located for compliance purposes for Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS). (Check appropriate location)
- a. At the effluent of the waste stabilization pond or aerated pond,
 - b. At the discharge from the storage pond, prior to the discharge to the sprayfield/ drip fields,
 - c. Other; explain: Samples are taken from either plant effluent manholes or the wet well for pump stations as required for plant process piping.
 - d. Please include a flow diagram illustrating where the current effluent structure is located
See Attachments E - G

If samples are currently collected at locations described under b. or c. above, is there a feasible place to take an effluent sample prior to discharge to the storage pond, that is, collecting a sample at a location described under 14.a. above. Yes No

If yes, what would be the anticipated results for BOD and TSS if samples were collected at a location described under 14.a. above?

Comments:

16. Certification

I certify that I am familiar with the information contained in the application and that to the best of my knowledge and belief such information is true, complete, and accurate.

Don Cope

Printed Name of Person Signing

President & CEO

Title

9/27/11

Date Application Signed


Don Cope
Signature of Applicant

False Statements

Any person who knowingly makes any false statements, representation or certification of this application may be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years or both. Georgia Water Quality Control Act, Official Code of Georgia Section 12-5-53(b). (Acts 1964, pp.416, 433; 1974, pp.599, 607).

Return Application to: Environmental Protection Division
Municipal Permitting Program
4220 International Parkway
Suite 101
Atlanta, Georgia 30354

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B-8-GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

REPORT PAGE

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LOCATION

Location	Parameter	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
U-1	D-1	9/28/2010	12.9	13.5	BDL	6.6	176	2	9/28/2010	48	10	14	BDL	0.126						
U-2	D-2	9/28/2010	4.8	42.6	BDL	6.7	439	BDL	9/28/2010	152	140	32	0.037	0.079						
U-3	D-3	9/28/2010	13.0	40.8	BDL	7.2	474	BDL	9/28/2010	184	210	14	BDL	BDL						
U-4	D-4	9/21/2010	11.7	195.0	BDL	6.1	888	BDL	9/21/2010	162	250	71	BDL	0.020						
U-5	D-6	9/21/2010	3.6	118.0	BDL	6.9	728	BDL	9/21/2010	190	240	61	0.031	0.066						
U-6	D-8	9/14/2010	13.0	104.0	BDL	7.1	586	BDL	9/14/2010	156	220	16	0.029	BDL						
U-7	D-11	9/17/2010	17.0	2.6	BDL	6.1	138	BDL	9/7/2010	110	120	6	BDL	0.028						
U-8	M-1	9/28/2010	47.8	2.3	BDL	7.4	173	BDL	9/28/2010	10	2	BDL	BDL	BDL						
U-9	M-2	9/21/2010	12.3	13.6	BDL	8.2	350	BDL	9/21/2010	152	40	27	BDL	BDL						
U-10	M-3	9/21/2010	4.2	11.1	BDL	6.7	363	BDL	9/21/2010	206	160	BDL	BDL	BDL						
U-11	M-4	9/14/2010	21.7	21.8	BDL	5.1	102	BDL	9/14/2010	24	30	BDL	0.035	BDL						
U-12	M-5	9/7/2010	6.5	92.8	BDL	6.8	583	BDL	9/7/2010	168	270	24	BDL	BDL						
U-13	M-6A	9/14/2010	7.6	58.3	BDL	6.1	343	BDL	9/14/2010	136	220	31	BDL	0.026						
U-14	M-7	9/21/2010	19.0	3.2	BDL	4.6	37	BDL	9/21/2010	10	6	BDL	BDL	0.029						
U-15	M-8	9/21/2010	21.6	3.9	BDL	6.0	114	BDL	9/21/2010	70	50	4	0.019	BDL						
U-16	M-9	9/28/2010	15.0	3.6	BDL	7.1	329	BDL	9/28/2010	170	140	BDL	BDL	0.152						
U-17	M-10	9/28/2010	4.3	53.6	BDL	6.6	688	BDL	9/28/2010	282	280	8	BDL	BDL						
U-18	M-11	9/28/2010	12.0	48.7	BDL	7.2	634	BDL	9/28/2010	242	240	32	BDL	BDL						
U-19	M-12	9/21/2010	21.4	75.6	BDL	6.8	604	BDL	9/21/2010	212	230	27	BDL	0.034						
U-20	M-13	9/14/2010	5.5	171.0	BDL	6.7	1,070	BDL	9/14/2010	316	470	35	0.088	BDL						
U-21	M-14	9/7/2010	6.9	33.0	BDL	7.2	433	BDL	9/7/2010	166	210	BDL	BDL	BDL						
U-22	M-17	9/7/2010	13.6	144.0	BDL	6.7	804	BDL	9/7/2010	182	360	69	0.031	0.044						
U-23	U-1	9/28/2010	53.1	96.1	BDL	6.8	561	BDL	9/28/2010	188	250	BDL	BDL	0.074						

NOTES: BDL = below detection limit
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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

Permit Renewal Application

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

Each Groundwater Monitoring Well is identified in the left-hand column

LOCATION	PARAMETER	PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)																							
		Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Hardness	Sulfate	NBAS	Total Phos.	Sample Date	Cd	Cd	Cr	Chromium	Cu	Cu	Zn	Zinc	Pb	Lead		
LOWER DET. LIMIT UNIT	N/A	1	0.5	N/A	N/A	N/A	N/A	1.0	1.0	3.0	0.019	0.02	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
PARM CODE	feet	mg/l	mg/l	s.u.	umhos/cm	#/100 ml		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
LAS FREQUENCY	72019	00940	00620	00400	00094	74065		00410	00900	00154	47021	00665		01027	01034	01042	01052	01051							
PLIMMITATION	Monthly												Quarterly (Mar., June, Sept., Dec.)												
DISCH #	WELL #	NO PERMIT LIMITATION ESTABLISHED												NO PERMIT LIMITATION ESTABLISHED											
D-5	9/21/2010	6.6	108.0	BDL	6.7	589	BDL	9/21/2010	190	250	51	BDL	BDL												
D-7	9/14/2010	7.2	64.7	BDL	6.6	710	BDL	9/14/2010	280	410	40	0.021	BDL												
D-8	9/14/2010	14.6	153.0	BDL	5.7	552	8	9/14/2010	18	80	99	0.064	0.062												
D-12	9/7/2010	7.6	34.8	BDL	7.2	471	BDL	9/7/2010	206	230	21	BDL	BDL												
D-13	9/7/2010	9.2	40.7	BDL	6.9	317	BDL	9/7/2010	108	140	11	0.019	0.078												
D-14	9/7/2010	12.4	83.6	BDL	7.0	531	BDL	9/7/2010	150	270	34	BDL	BDL												
U-2	9/21/2010	19.8	19.4	BDL	7.3	506	BDL	9/21/2010	260	210	9	BDL	0.020												
U-3	9/14/2010	28.6	21.0	BDL	6.5	301	BDL	9/14/2010	122	160	11	BDL	0.091												
M-15	9/14/2010	19.5	156.0	0.56	5.3	522	BDL	9/14/2010	46	90	34	0.044	BDL												
M-16	9/7/2010	38.9	50.9	BDL	6.6	438	BDL	9/7/2010	186	230	14	BDL	0.027												

NOTES: These additional monitoring wells are not yet included in the EPD approved groundwater monitoring network. BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-066

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

PERMIT PAGE(S)
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LOCATION	Parameter	Each Groundwater Monitoring Well is identified in the left-hand column																	
		Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Hardness	Sulfate	NBAS	Total Phos.	Sample Date	Cd	Cr	Cu	Zn	Pb Lead
Lower Det. Limit	N/A	1	0.5	N/A	N/A	N/A	N/A	N/A	1.0	1.0	0.005	0.01	0.001	0.01	0.01	0.01	0.01	0.01	
Unit	feet	mg/l	mg/l	s.u.	umhos/cm	#/100 ml			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
Param Code	72019	00940	00620	00400	00094	74055			00410	00900	00154	47021	00665	01027	01034	01042	01092	01051	
Frequency							Monthly							Quarterly (Mar., June, Sept., Dec.)					Bi-Annually (June, Dec.)
Limitation																			NO PERMIT LIMITATION ESTABLISHED
DISCH #	WELL #																		
D010	D-1	10/26/2010	13.8	10.9	BDL	6.7	216	2											
D020	D-2	10/26/2010	4.6	36.8	BDL	7.1	470	BDL											
D030	D-3	10/26/2010	16.6	44.4	BDL	6.6	473	BDL											
D040	D-4	10/19/2010	12.4	174.0	BDL	6.3	882	BDL											
D050	D-6	10/12/2010	3.6	100.0	BDL	7.1	754	BDL											
D060	D-9	10/12/2010	13.4	108.0	BDL	7.0	584	BDL											
D110	D-11	10/5/2010	10.1	2.7	BDL	6.4	192	BDL											
M010	M-1	10/26/2010	48.1	5.3	BDL	7.7	313	BDL											
M020	M-2	10/19/2010	12.6	12.8	BDL	8.6	344	BDL											
M030	M-3	10/19/2010	4.3	11.7	BDL	7.0	410	BDL											
M040	M-4	10/12/2010	23.3	15.6	BDL	5.6	117	BDL											
M050	M-5	10/5/2010	9.5	78.2	BDL	7.0	596	BDL											
M060	M-6A	10/12/2010	7.6	65.7	BDL	6.5	381	BDL											
U030	M-7	10/19/2010	20.8	3.9	0.56	4.9	38	BDL											
U040	M-8	10/19/2010	22.4	3.9	BDL	6.8	59	2											
U050	M-9	10/26/2010	16.4	4.2	BDL	7.0	332	BDL											
U060	M-10	10/26/2010	4.9	57.0	BDL	7.1	687	BDL											
U070	M-11	10/26/2010	11.9	51.4	BDL	7.3	602	BDL											
U080	M-12	10/19/2010	20.6	68.3	BDL	6.8	587	BDL											
U090	M-13	10/12/2010	6.0	173.0	BDL	6.8	1,052	BDL											
U100	M-14	10/5/2010	7.0	44.9	BDL	7.2	469	BDL											
U140	M-17	10/5/2010	14.1	127.0	BDL	6.8	814	BDL											
U010	U-1	10/26/2010	53.0	101.0	BDL	6.9	620	1											

NOTES: BDL = below detection limit
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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B-8 - GROUNDWATER MONITORING (AREAS A,C,B,C & A)

LOCATION		Each Groundwater Monitoring Well is identified in the left-hand column																	
PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead	
OWNER DET. LIMIT UNIT	N/A	1	0.5	N/A	N/A	N/A	N/A		1.0	1.0	0.005	0.01	0.001	0.01	0.01	0.01	0.01	0.01	
PARM CODE	72019	00940	00620	00400	mg/l	s.u.	umhos/cm	#/100 ml		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
MONIT. FREQUENCY	Monthly		00994	74055					00410	00900	00154	47021	00655						
NO PERMIT LIMITATION ESTABLISHED		Quarterly (Mar., June, Sept., Dec.)												Bi-Annually (June, Dec.)					
NO PERMIT LIMITATION ESTABLISHED																			
DISCH #	WELL #																		
D-5	10/19/2010	6.2	99.7	BDL	6.9	673	BDL												
D-7	10/12/2010	9.5	69.1	BDL	6.8	772	BDL												
D-8	10/12/2010	14.4	165.0	BDL	6.0	608	BDL												
D-12	10/12/2010	8.0	32.4	BDL	6.7	478	19												
D-13	10/15/2010	8.8	45.3	BDL	6.8	299	BDL												
D-14	10/15/2010	12.2	81.3	BDL	7.0	566	BDL												
U-2	10/19/2010	13.4	18.6	BDL	7.3	487	BDL												
U-3	10/12/2010	29.8	14.6	BDL	6.4	238	BDL												
M-15	10/12/2010	27.0	184.0	0.55	5.6	638	BDL												
M-16	10/15/2010	39.6	45.1	0.61	6.7	519	BDL												

Attachment C to L.A.S. Permit Renewal Application

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NOTES: These additional monitoring wells are not yet included in the EPD approved groundwater monitoring network. BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

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LOCATION

Attached Parameter	Sample Date	Each Groundwater Monitoring Well is identified in the left-hand column																	
		Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd	Cr	Cu	Zn	Pb
LOWER DET. LIMIT	N/A	1	0.5	N/A	N/A	N/A	N/A	1.0	1.0	0.005	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01	0.01
UNIT	feet	mg/l	mg/l	s.u.	umhos/cm	#100 ml		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
CEARM CODE	72019	00940	00620	00400	00394	74055	74055	00410	00900	00154	47021	00655	01027	01034	01042	01092	01051		
TEST FREQUENCY																			
PERMIT LIMITATION																			
DISCH #	WELL #																		
D010	D-1	1/13/2010	10.9	26.2	BDL	6.1	164	BDL											
D020	D-2	1/13/2010	3.6	44.7	BDL	6.9	426	BDL											
D030	D-3	1/12/2010	18.2	42.7	BDL	6.8	431	BDL											
D040	D-4	1/16/2010	20.6	189.0	BDL	6.3	883	BDL											
D080	D-6	1/16/2010	2.4	113.0	BDL	7.0	747	BDL											
D090	D-9	1/19/2010	12.3	93.8	BDL	7.1	576	BDL											
D110	D-11	1/12/2010	8.8	2.7	BDL	6.2	172	27											
M010	M-1	1/13/2010	46.2	33.0	BDL	7.0	341	BDL											
M020	M-2	1/12/2010	12.4	13.5	BDL	8.6	324	BDL											
M030	M-3	1/16/2010	4.0	12.5	BDL	6.8	413	BDL											
M040	M-4	1/13/2010	22.1	13.2	BDL	5.7	101	BDL											
M050	M-5	1/12/2010	18.6	91.5	BDL	7.0	572	BDL											
M060	M-6A	1/19/2010	6.7	12.3	BDL	6.4	418	BDL											
U030	M-7	1/16/2010	28.0	3.6	BDL	4.8	37	2											
U040	M-8	1/16/2010	18.1	4.3	BDL	6.1	147	2											
U050	M-9	1/12/2010	15.3	4.2	BDL	6.1	392	BDL											
U060	M-10	1/12/2010	3.3	57.2	BDL	7.2	616	BDL											
U070	M-11	1/12/2010	12.0	49.8	BDL	7.3	551	BDL											
U080	M-12	1/16/2010	25.0	77.3	BDL	6.6	610	BDL											
U090	M-13	1/16/2010	3.7	189.0	BDL	6.5	1,043	BDL											
U100	M-14	1/19/2010	18.0	43.9	BDL	7.1	504	BDL											
U140	M-17	1/12/2010	13.6	146.0	BDL	6.6	803	78											
U010	U-1	1/13/2010	53.6	106.0	BDL	7.0	622	BDL											
B3-Annually (June, Sept., Dec.)																			
NO PERMIT LIMITATION ESTABLISHED																			

NOTES: BDL = below detection limit

DALTON UTILITIES I-A.S. : PERMIT NO. GA002-05

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Attachment C to LAS Permit Renewal Application

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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056
PERMIT CONDITION : B.B. - GROUNDWATER WELL MONITORING (AREAS A.C., B, C & A)

PERMIT CONDITION : 88-GRUNDBLAER WELL. MONITORING (AREAS AC, B, C & A)

NOTES: These additional monitoring wells are not yet included in the E&D approved groundwater monitoring network. DUL = Duluth Detention Main.

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B-8 - GROUNDWATER WELL MONITORING (AREAS A,C,B,C&A)

LOCATION Attachment PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hard- ness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
UNIT																			
PARM CODE																			
Frequency																			
Limitation																			
DISCH #	WELL #																		
Appl	D-1	12/28/2010	12.7	20.6	BDL	5.6	158	BDL	12/28/2010	18	20	25	0.009	0.059	12/28/2010	BDL	BDL	0.008	BDL
Renewal	D-2	12/28/2010	4.0	28.1	BDL	7.1	433	BDL	12/28/2010	150	110	34	0.007	0.050	12/28/2010	BDL	BDL	BDL	BDL
D030	D-3	12/28/2010	15.8	30.8	BDL	6.8	440	BDL	12/28/2010	182	160	14	BDL	BDL	12/28/2010	BDL	BDL	BDL	BDL
D040	D-4	12/21/2010	8.5	186.0	BDL	6.3	874	BDL	12/21/2010	152	260	73	0.050	0.074	12/21/2010	BDL	BDL	BDL	0.08
D060	D-6	12/14/2010	2.3	117.0	BDL	7.2	656	BDL	12/14/2010	198	280	62	0.024	0.051	12/14/2010	BDL	BDL	BDL	0.05
D080	D-9	12/14/2010	12.5	117.0	BDL	7.3	521	BDL	12/14/2010	156	170	18	BDL	BDL	12/14/2010	0.008	BDL	BDL	0.06
D110	D-11	12/27/2010	6.1	2.8	BDL	6.1	142	BDL	12/27/2010	98	90	9	BDL	0.051	12/27/2010	BDL	BDL	BDL	BDL
M010	M-1	12/28/2010	46.1	23.5	BDL	7.0	324	BDL	12/28/2010	146	110	12	0.011	0.014	12/28/2010	BDL	BDL	BDL	BDL
M020	M-2	12/21/2010	10.0	13.7	BDL	6.5	352	BDL	12/21/2010	156	50	29	0.007	0.028	12/21/2010	BDL	BDL	BDL	BDL
M030	M-3	12/21/2010	3.5	12.0	BDL	6.8	407	BDL	12/21/2010	210	170	BDL	BDL	0.014	12/21/2010	BDL	BDL	BDL	0.012
M040	M-4	12/14/2010	20.7	16.5	BDL	5.7	102	BDL	12/14/2010	40	30	1	BDL	0.017	12/14/2010	BDL	BDL	BDL	0.05
M050	M-5	12/7/2010	4.1	92.9	BDL	7.2	553	BDL	12/7/2010	172	200	23	0.006	0.030	12/7/2010	0.004	BDL	BDL	0.05
M060	M-6A	12/14/2010	6.0	6.2	BDL	6.0	226	BDL	12/14/2010	92	100	49	0.009	0.013	12/14/2010	BDL	BDL	BDL	0.03
U030	M-7	12/21/2010	16.3	3.8	BDL	4.9	38	BDL	12/21/2010	10	8	BDL	0.012	0.034	12/21/2010	BDL	BDL	BDL	BDL
U040	M-8	12/21/2010	19.0	5.0	BDL	6.3	234	BDL	12/21/2010	106	70	4	0.006	BDL	12/21/2010	0.004	BDL	BDL	0.05
U050	M-9	12/28/2010	13.4	2.4	BDL	7.2	313	BDL	12/28/2010	170	110	4	0.008	0.046	12/28/2010	0.005	BDL	BDL	BDL
U060	M-10	12/28/2010	2.4	43.9	BDL	7.1	641	BDL	12/28/2010	292	270	9	0.027	BDL	12/28/2010	0.006	BDL	BDL	0.03
U070	M-11	12/28/2010	11.3	36.9	BDL	7.1	553	BDL	12/28/2010	224	170	28	0.015	0.017	12/28/2010	BDL	BDL	BDL	0.012
U080	M-12	12/21/2010	20.0	78.4	BDL	6.9	612	BDL	12/21/2010	210	240	25	0.018	0.041	12/21/2010	0.005	BDL	BDL	0.04
U090	M-13	12/14/2010	4.1	183.0	BDL	6.8	898	BDL	12/14/2010	316	370	29	0.026	BDL	12/14/2010	0.004	BDL	BDL	0.07
U100	M-14	12/7/2010	4.0	43.6	BDL	7.2	487	BDL	12/7/2010	110	190	BDL	BDL	0.048	12/7/2010	BDL	BDL	BDL	0.08
U140	M-17	12/7/2010	9.8	152.0	0.55	6.7	757	7	12/7/2010	150	220	47	0.050	0.109	12/7/2010	0.005	BDL	BDL	0.06
U010	U-1	12/28/2010	53.1	85.0	BDL	7.0	592	BDL	12/28/2010	206	250	6	0.007	0.101	12/28/2010	0.004	BDL	BDL	0.07

NOTES: BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-058
PERMIT CONDITION : B.B - GROUNDWATER WELL MONITORING (AREAS AG, B, C & A)

Each Groundwater Monitoring Well is identified in the left-hand column

LOCATION	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	NIBAS	Total Phos.	Sample Date	Cd	Cadmium	Cr	Cu	Zn	Pb Land
PARAMETER									mg/l	mg/l	mg/l	mg/l	mg/l		0.004	0.01	0.006	0.01	0.006	0.03
LOWER DET. LIMIT		N/A	1	0.5	N/A	N/A	N/A		1.0	1.0	0.005	0.01	0.004		0.004	0.01	0.006	0.01	0.006	0.03
UNIT	feet	mg/l	mg/l	s.u.	umhos/cm	#100 ml			mg/l	mg/l	mg/l	mg/l	mg/l		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
PARM CODE	72019	00940	00820	00400	00094	74055			00410	00800	00154	41021	00665		01027	01034	01042	01082	01051	
FREQUENCY		Monthly												Quarterly (Mar., June, Sept., Dec.)						
LIMITATION														NO PERMIT LIMITATION ESTABLISHED						
DISCH #	WELL #													NO PERMIT LIMITATION ESTABLISHED						
D-5	12/21/2010	5.3	104.0	BDL	6.7	680	1	12/21/2010	168	230	69	0.015	0.010	12/21/2010	0.005	BDL	BDL	BDL	0.05	
D-7	12/14/2010	11.8	73.1	BDL	7.1	664	BDL	12/14/2010	290	310	38	0.005	BDL	12/14/2010	0.004	BDL	BDL	BDL	0.06	
D-8	12/14/2010	12.7	146.0	BDL	6.6	548	BDL	12/14/2010	110	170	61	0.039	0.042	12/14/2010	BDL	BDL	BDL	BDL	0.010	
D-12	12/7/2010	5.3	7.3	BDL	7.0	202	3	12/7/2010	74	40	18	0.021	0.056	12/7/2010	0.005	BDL	BDL	BDL	0.05	
D-13	12/7/2010	6.3	112.0	BDL	6.3	425	BDL	12/7/2010	42	80	20	0.023	0.133	12/7/2010	BDL	BDL	BDL	BDL	0.03	
D-14	12/7/2010	12.7	88.8	BDL	7.2	514	BDL	12/7/2010	148	210	36	0.008	0.014	12/7/2010	BDL	BDL	BDL	BDL	0.05	
U-2	12/21/2010	17.1	18.6	0.67	7.1	499	BDL	12/21/2010	212	190	25	BDL	0.027	12/21/2010	BDL	BDL	BDL	BDL	0.04	
U-3	12/14/2010	28.0	22.8	BDL	6.7	264	BDL	12/14/2010	126	100	11	0.005	0.038	12/14/2010	0.004	BDL	BDL	BDL	0.04	
M-15	12/14/2010	23.9	182.0	0.73	5.9	527	BDL	12/14/2010	60	160	45	0.034	BDL	12/14/2010	BDL	BDL	BDL	BDL	0.007	
M-16	12/7/2010	39.3	46.9	BDL	6.9	480	3	12/7/2010	204	190	14	0.013	0.055	12/7/2010	0.007	BDL	BDL	BDL	0.05	

NOTES: These additional monitoring wells are not yet included in the EPD approved groundwater monitoring network. BDL = below detection limit.

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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

Each Groundwater Monitoring Well is identified in the left-hand column

PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Hardness	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
UNIT									1.0	1.0								
PARM CODE									#/100 ml									
FREQUENCY									mg/l	mg/l								
LIMITATION									00940	00620	00400	0094	74055	00410	00900	00154	47021	00665
DISCH #	WELL #																	
D010	D-1	1/25/2011	9.1	37.8	BDL	5.3	171	BDL										
D020	D-2	1/25/2011	4.0	48.6	BDL	6.1	413	BDL										
D030	D-3	1/12/2011	15.2	49.3	BDL	6.8	432	BDL										
D040	D-4	1/25/2011	4.9	178.0	BDL	6.1	853	BDL										
D060	D-6	1/18/2011	1.8	101.0	BDL	7.1	721	BDL										
D090	D-9	1/18/2011	12.2	105.0	BDL	7.1	577	BDL										
D110	D-11	1/4/2011	5.3	2.8	BDL	6.0	145	12										
M010	M-1	1/25/2011	44.6	33.2	BDL	6.8	309	BDL										
M020	M-2	1/12/2011	7.8	12.2	BDL	8.6	332	BDL										
M030	M-3	1/12/2011	3.4	10.2	BDL	6.8	377	BDL										
M040	M-4	1/18/2011	18.1	16.9	BDL	5.5	113	BDL										
M050	M-5	1/4/2011	3.5	95.9	BDL	7.0	590	BDL										
M060	M-6A	1/18/2011	4.8	10.1	BDL	5.7	213	BDL										
U030	M-7	1/12/2011	15.2	3.3	BDL	4.8	41	BDL										
U040	M-8	1/12/2011	14.7	4.3	BDL	6.2	193	BDL										
U050	M-9	1/12/2011	12.2	3.8	BDL	7.1	306	BDL										
U060	M-10	1/25/2011	2.2	60.6	BDL	6.8	604	BDL										
U070	M-11	1/25/2011	11.1	49.9	BDL	7.0	534	1										
U080	M-12	1/25/2011	16.2	85.4	0.53	6.5	578	BDL										
U090	M-13	1/18/2011	3.5	184.0	BDL	6.7	985	BDL										
U100	M-14	1/4/2011	3.7	56.0	BDL	7.3	481	BDL										
U140	M-17	1/4/2011	8.0	152.0	0.78	6.7	777	BDL										
U010	U-1	1/25/2011	52.8	93.7	BDL	6.7	505	BDL										

Attachment C to LAS Permit Renewal Application

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NOTES: BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-055

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

Attachment C to LAS Permit Renewal Application

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FIGURE 1 *Estimated additional functioning weeks and hours due to increased productivity.*

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ED_005067B_00015900-00016

NOTES: BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS A,C,B,C & A)

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LOCATION		Each Groundwater Monitoring Well is identified in the left-hand column																
PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Hardness	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead	
LOWER DET. LIMIT UNIT	N/A	1	0.5	N/A	N/A	N/A	N/A	N/A	1.0	1.0	0.005	0.01	0.01	0.01	0.01	0.01	0.01	
UPPER DET. LIMIT UNIT	feet	mg/l	mg/l	s.u.	umhos/cm	#/100 ml			mg/l	mg/l	mg/l		mg/l	mg/l	mg/l	mg/l	mg/l	
IPARM CODE	72019	00940	00620	03400	00034	74056		00410	00900	00154	47021	00665	01027	01034	01042	01092	01051	
FREQUENCY		Monthly												Quarterly (Mar., June, Sept., Dec.)				
LIMITATION		NO PERMIT LIMITATION ESTABLISHED												NO PERMIT LIMITATION ESTABLISHED				
DISCH #	WELL #																	
D-5	2/15/2011	5.4	95.7	BDL	6.7	672		1										
D-7	2/8/2011	7.3	69.1	BDL	6.8	672		BDL										
D-8	2/8/2011	11.8	117.0	BDL	6.1	503		BDL										
D-12	2/1/2011	3.6	9.4	BDL	5.9	302		BDL										
D-13	2/1/2011	4.3	44.9	BDL	5.6	240		BDL										
D-14	2/1/2011	10.6	82.1	BDL	6.4	550		BDL										
U-2	2/15/2011	15.3	18.1	1.30	7.3	476		BDL										
U-3	2/8/2011	25.2	18.4	BDL	6.5	284		BDL										
M-15	2/8/2011	21.8	171.0	0.78	5.6	551		1										
M-16	2/1/2011	38.8	40.6	BDL	6.4	491		BDL										

Attachment C to LAS Permit Renewal Application

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NOTES:

These additional monitoring wells are not yet included in the EPD approved groundwater monitoring network. BDL = below detection limit

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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

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PARAMETER	Sample Date	Depth to GW	Chloride	NO ₃ - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
POWER DET. LIMIT UNIT	D-1	3/29/2011	7.0	18.8	BDL	5.2	152	BDL	3/29/2011	10	12	30	0.010	0.086					
D-2	3/29/2011	1.6	39.8	BDL	6.5	443	BDL	3/29/2011	138	170	43	0.007	0.048						
D-3	3/29/2011	6.0	26.4	BDL	6.4	415	BDL	3/28/2011	158	110	18	BDL	BDL						
D-4	3/15/2011	4.0	158.0	BDL	6.1	804	1	3/15/2011	148	200	66	0.019	0.044						
D-6	3/8/2011	1.7	107.0	BDL	6.9	742	BDL	3/8/2011	194	250	64	0.061	0.089						
D-9	3/8/2011	11.8	109.0	BDL	6.9	575	BDL	3/8/2011	158	190	19	0.017	0.016						
D-11	3/12/2011	5.2	2.6	BDL	6.0	176	12	3/12/2011	82	50	6	BDL	0.012						
M-1	3/29/2011	42.4	17.5	BDL	7.8	320	BDL	3/29/2011	136	100	23	0.008	0.012						
M-2	3/5/2011	5.1	13.7	BDL	8.3	360	BDL	3/15/2011	152	30	26	0.006	0.026						
M-3	3/15/2011	2.0	11.5	BDL	6.7	411	BDL	3/15/2011	198	160	1	BDL	0.028						
M-4	3/8/2011	15.6	18.6	BDL	5.3	117	BDL	3/8/2011	38	15	BDL	0.009	0.026						
M-5	3/1/2011	3.0	96.6	BDL	6.9	604	BDL	3/1/2011	162	200	20	BDL	0.019						
M-6A	3/8/2011	5.0	16.1	BDL	5.1	230	BDL	3/8/2011	68	80	50	0.017	0.050						
U03Q	3/15/2011	11.3	3.8	BDL	4.7	42	BDL	3/15/2011	12	6	1	0.006	0.050						
U04Q	M-8	3/22/2011	12.0	4.6	BDL	6.4	204	BDL	3/22/2011	100	60	5	BDL	BDL					
U05Q	M-9	3/22/2011	9.0	3.7	BDL	6.9	323	BDL	3/22/2011	164	110	BDL	BDL	0.163					
U06Q	M-10	3/22/2011	2.1	58.1	BDL	7.0	881	BDL	3/22/2011	278	300	13	BDL	0.032					
U07Q	M-11	3/22/2011	10.9	35.2	BDL	7.1	555	BDL	3/22/2011	202	180	29	BDL	0.031					
U08Q	M-12	3/15/2011	16.0	73.2	0.62	6.6	665	BDL	3/15/2011	206	280	28	0.005	0.038					
U09Q	M-13	3/8/2011	3.5	173.0	BDL	6.3	1,004	BDL	3/8/2011	300	410	34	0.045	BDL					
U10Q	M-14	3/1/2011	3.1	45.7	BDL	7.2	479	BDL	3/1/2011	116	200	1	BDL	0.015					
U14Q	M-17	3/7/2011	7.1	151.0	BDL	6.7	840	2	3/1/2011	172	280	71	0.018	0.050					
U01Q	U-1	3/29/2011	52.6	83.9	BDL	7.0	512	BDL	3/29/2011	218	240	17	0.011	0.096					

NOTES: BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B-8 - GROUNDWATER WELL MONITORING (AREAS A,C, B,C & A)

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LOCATION	PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MIBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
C-UNIT	N/A	1	0.5	N/A	N/A	N/A	N/A	N/A	3/15/2011	178	220	64	BDL	0.022						
feet	mg/l	mg/l	s.u.	umhos/cm	#/100 ml				3/8/2011	280	310	35	0.015	0.021						
72019	00840	00620	00400	00094	74055				3/1/2011	124	170	56	0.011	0.044						
									3/1/2011	196	170	23	0.010	BDL						
D-5	3/15/2011	3.9	68.9	BDL	7.0	659	BDL	BDL	3/15/2011											
D-7	3/8/2011	6.9	64.7	BDL	6.4	704	BDL	BDL	3/8/2011											
D-8	3/8/2011	6.0	127.0	BDL	6.2	605	11	BDL	3/8/2011											
D-12	3/11/2011	3.9	31.6	BDL	6.5	484	BDL	BDL	3/1/2011											
D-13	3/11/2011	4.1	57.3	BDL	5.8	287	1	BDL	3/1/2011											
D-14	3/11/2011	10.4	92.0	BDL	6.8	569	BDL	BDL	3/1/2011											
U-2	3/22/2011	14.0	15.8	0.87	7.0	517	BDL	BDL	3/22/2011	192	160	22	BDL	BDL						
U-3	3/8/2011	25.4	24.9	BDL	6.3	304	BDL	BDL	3/8/2011											
M-15	3/8/2011	21.6	178.0	0.82	5.4	612	BDL	BDL	3/8/2011											
M-16	3/11/2011	38.6	45.5	BDL	6.6	517	BDL	BDL	3/4/2011											

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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

Each Groundwater Monitoring Well is Identified in the left-hand column

PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
UNIT		N/A	1	0.5	N/A	N/A	N/A	N/A	1.0	1.0	0.005	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.01
PARM CODE		feet	mg/l	mg/l	s.u.	umhos/cm	#100 ml	mgl	mgl	mgl	mgl	mgl	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
LAS FREQUENCY		72010	00940	00620	00400	00094	74055	00410	00800	00154	47021	00865	01027	01034	01042	01092	01051		
DISCH #	WELL #																		
D010	D-1	4/26/2011	9.2	30.4	BDL	4.8	158	2											
D020	D-2	4/26/2011	3.9	37.4	BDL	6.3	414	BDL											
D030	D-3	4/26/2011	14.4	40.0	BDL	6.2	438	BDL											
D040	D-4	4/19/2011	4.0	180.0	BDL	6.2	848	BDL											
D060	D-6	4/12/2011	2.6	101.0	BDL	7.0	753	BDL											
D080	D-9	4/12/2011	12.1	108.0	BDL	7.0	596	BDL											
D110	D-11	4/5/2011	3.7	2.9	BDL	6.2	156	5											
M010	M-1	4/26/2011	43.2	22.9	BDL	7.1	329	BDL											
M020	M-2	4/19/2011	4.8	12.1	BDL	8.3	350	BDL											
M030	M-3	4/19/2011	2.1	10.6	BDL	6.6	383	BDL											
M040	M-4	4/12/2011	14.4	22.0	BDL	5.4	121	BDL											
M050	M-5	4/5/2011	2.3	93.0	BDL	6.9	582	BDL											
M060	M-6A	4/12/2011	4.8	21.5	BDL	5.4	230	BDL											
M030	M-7	4/19/2011	10.8	3.2	BDL	4.6	40	1											
M040	M-8	4/19/2011	10.4	4.0	BDL	6.3	219	BDL											
M050	M-9	4/26/2011	8.5	3.3	BDL	6.6	313	BDL											
M060	M-10	4/28/2011	2.5	61.7	BDL	6.9	675	BDL											
M070	M-11	4/26/2011	11.0	41.9	BDL	6.9	526	3											
M080	M-12	4/19/2011	16.8	89.4	0.55	6.8	645	BDL											
M090	M-13	4/12/2011	3.7	169.0	BDL	6.6	1,030	BDL											
M100	M-14	4/5/2011	3.1	44.3	BDL	7.2	463	BDL											
U140	U-17	4/5/2011	6.6	136.0	BDL	6.8	792	BDL											
U010	U-1	4/26/2011	52.6	76.9	BDL	6.9	505	BDL											

NOTES: BDL = below detection limit

Attachment C to LAS Permit Renewal Application

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DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)

Each Groundwater Monitoring Well is identified in the left-hand column

PARAMETER	Sample Date	Depth to GW	Chloride	NO ₃ - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.,	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
CONC UNIT																			
SPARM CODE																			
FREQUENCY																			
IMITATION																			
DISCH #	WELL #																		
D010	D-1	5/24/2011	11.7	64.7	BDL	5.2	256	2											
D020	D-2	5/24/2011	4.0	35.7	BDL	6.5	425	BDL											
D030	D-3	5/24/2011	15.3	39.4	BDL	6.3	467	BDL											
D040	D-4	5/17/2011	6.7	177.0	BDL	6.3	899	BDL											
D060	D-6	5/17/2011	3.3	106.0	BDL	6.9	740	BDL											
D080	D-9	5/10/2011	12.5	94.1	BDL	6.8	563	BDL											
D110	D-11	5/3/2011	5.3	2.2	BDL	6.8	252	2											
M010	M-1	5/24/2011	44.8	19.9	BDL	7.0	298	BDL											
M020	M-2	5/17/2011	7.2	13.3	BDL	8.5	363	BDL											
M030	M-3	5/17/2011	2.2	12.3	BDL	6.8	406	BDL											
M040	M-4	5/10/2011	15.3	16.6	BDL	5.2	113	BDL											
M050	M-5	5/3/2011	3.0	91.0	BDL	6.8	577	BDL											
M060	M-6A	5/10/2011	6.4	5.1	BDL	5.2	187	BDL											
U030	M-7	5/17/2011	13.1	3.2	BDL	4.8	39	BDL											
U040	M-8	5/17/2011	15.4	3.8	BDL	6.3	189	BDL											
U050	M-9	5/24/2011	11.4	2.3	BDL	6.8	323	BDL											
U060	M-10	5/24/2011	2.9	61.0	BDL	6.9	679	BDL											
U070	M-11	5/24/2011	11.5	47.8	BDL	6.9	578	BDL											
U080	M-12	5/17/2011	18.7	89.5	0.65	6.8	669	BDL											
U090	M-13	5/10/2011	3.7	157.0	BDL	6.3	984	BDL											
U100	M-14	5/3/2011	3.4	42.7	BDL	7.2	451	BDL											
U140	M-17	5/3/2011	7.8	136.0	BDL	6.7	804	BDL											
U010	U-1	5/24/2011	53.0	66.8	BDL	7.0	524	BDL											

NO PERMIT LIMITATION ESTABLISHED

NO PERMIT LIMITATION ESTABLISHED

Bi-Annually (June, Dec.)

NOTES: BDL = below detection limit

BALTIMORE UTILITIES L.A.S. - PERMIT NO. GA02-+

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS A.C., B, C & A)

Attachment C to LAS Permit Renewal Application

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These additional monitoring wells are not yet included in the EPD approved groundwater monitoring network. BDC = below detection limit.

ED 005067B 00015900-00024

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS A.C., B, C & A)

Each Groundwater Monitoring Well is Identified in the left-hand column

PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu copper	Zn Zinc	Pb Lead	
DOVER DET. LIMIT	N/A	1	0.5	N/A	N/A	N/A	N/A	6/28/2011	1.0	1.0	0.005	0.01	0.005	0.01	0.01	0.01	0.01	0.01	0.05	
UNIT	feet.	mg/l	mg/l	s.u.	umhos/cm	#100 ml														
FAIR CODE	7/2019	00940	00920	00400	00094	74055		04/10	00900	00154	47021	00665		01027	01034	01042	01082	01051		
FREQUENCY	Monthly							Quarterly (Mar., June, Sept., Dec.)												
IMITATION								Bi-Annually (June, Dec.)												
NO PERMIT LIMITATION ESTABLISHED																				
NO PERMIT LIMITATION ESTABLISHED																				
DISCH #	WELL #																			
D010	D-1	6/28/2011	12.6	50.2	0.51	5.4	245	BDL	6/28/2011	26	80	42	BDL	0.061	6/28/2011	BDL	BDL	BDL	BDL	
D020	D-2	6/28/2011	4.0	57.8	BDL	6.4	436	BDL	6/28/2011	168	190	30	BDL	0.093	6/28/2011	BDL	BDL	BDL	BDL	
D030	D-3	6/28/2011	15.2	39.8	BDL	6.4	483	BDL	6/28/2011	182	230	22	BDL	0.019	6/28/2011	BDL	BDL	BDL	BDL	
D040	D-4	6/21/2011	9.8	177.0	BDL	6.3	922	1	6/21/2011	168	250	72	0.061	0.042	6/21/2011	BDL	BDL	BDL	BDL	
D050	D-5	6/21/2011	2.6	112.0	BDL	6.9	768	BDL	6/21/2011	196	220	65	0.083	0.057	6/21/2011	BDL	BDL	BDL	BDL	
D090	D-9	6/14/2011	12.8	108.0	BDL	7.0	560	BDL	6/14/2011	150	190	19	BDL	0.028	6/14/2011	BDL	BDL	BDL	BDL	
D110	D-11	6/7/2011	5.8	2.1	BDL	5.2	100	BDL	6/7/2011	49	30	4	BDL	0.028	6/7/2011	BDL	BDL	BDL	BDL	
M010	M-1	6/28/2011	45.8	27.1	BDL	6.8	235	BDL	6/28/2011	116	90	21	0.028	0.016	6/28/2011	BDL	BDL	BDL	BDL	
M020	M-2	6/21/2011	9.7	15.1	BDL	8.1	366	BDL	6/21/2011	148	180	27	BDL	0.080	6/21/2011	BDL	BDL	BDL	BDL	
M030	M-3	6/21/2011	2.6	12.2	BDL	6.7	412	BDL	6/21/2011	198	140	BDL	BDL	0.034	6/21/2011	BDL	BDL	BDL	BDL	
M040	M-4	6/14/2011	17.6	18.1	BDL	4.9	100	BDL	6/14/2011	32	30	3	0.007	0.041	6/14/2011	BDL	BDL	BDL	BDL	
M050	M-5	6/7/2011	2.9	83.6	BDL	6.8	615	BDL	6/7/2011	173	230	26	0.015	0.043	6/7/2011	BDL	BDL	BDL	BDL	
M060	M-6A	6/14/2011	7.2	38.9	BDL	6.1	297	BDL	6/14/2011	84	108	45	BDL	0.025	6/14/2011	BDL	BDL	BDL	BDL	
U030	M-7	6/21/2011	15.5	3.7	BDL	4.3	38	BDL	6/21/2011	12	30	BDL	BDL	0.056	6/21/2011	BDL	BDL	BDL	BDL	
U040	M-8	6/21/2011	19.0	4.6	BDL	6.1	187	BDL	6/21/2011	92	70	3	0.006	0.030	6/21/2011	BDL	BDL	BDL	BDL	
U050	M-9	6/28/2011	13.1	3.6	BDL	6.9	336	BDL	6/28/2011	168	150	4	BDL	0.150	6/28/2011	BDL	0.010	BDL	BDL	
U060	M-10	6/28/2011	2.7	60.4	BDL	7.0	659	BDL	6/28/2011	272	300	15	0.015	0.014	6/28/2011	BDL	BDL	BDL	BDL	
U070	M-11	6/28/2011	11.6	48.4	BDL	7.1	540	BDL	6/28/2011	218	220	34	0.011	0.020	6/28/2011	BDL	BDL	BDL	BDL	
U080	M-12	6/21/2011	19.0	93.7	0.56	6.8	660	BDL	6/21/2011	24	230	25	0.007	0.039	6/21/2011	BDL	0.010	BDL	BDL	
U090	M-13	6/14/2011	3.6	162.0	BDL	6.6	984	BDL	6/14/2011	300	400	34	0.024	BDL	6/14/2011	BDL	BDL	BDL	BDL	
U100	M-14	6/7/2011	4.0	46.0	BDL	6.8	467	BDL	6/7/2011	181	170	BDL	0.006	0.022	6/7/2011	BDL	BDL	BDL	BDL	
U140	M-17	6/14/2011	8.7	148.0	0.89	5.5	652	BDL	6/14/2011	126	180	108	0.029	0.131	6/14/2011	BDL	BDL	BDL	BDL	
U010	U-1	6/28/2011	53.4	87.1	BDL	8.9	577	BDL	6/28/2011	190	230	16	BDL	0.002	6/28/2011	BDL	BDL	BDL	BDL	

LOCATION	PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
C-UNIT	feet	mgl	mgl	s.u.	mgl	mg/l	u.mhos/cm	#/100 ml	mgl	mgl	mgl	mgl	mgl	mgl	mgl	mgl	mgl	mgl	mgl	0.05
PARM CODE	72019	00940	00620	00400	00094	74055			00410	00000	00154	47021	00865			01027	01034	01042	01051	
MONITORING FREQUENCY	Monthly																			
Bi-Annually (June, Sept., Dec.)																				
NO PERMIT LIMITATION ESTABLISHED																				NO PERMIT LIMITATION ESTABLISHED
DISCH #	WELL #																			
O-5	6/7/2011	7.0	75.7	BDL	6.9	683	BDL	6/7/2011	185	190	62	0.027	BDL	6/7/2011	BDL	BDL	BDL	BDL	BDL	BDL
D-7	6/14/2011	8.7	67.4	BDL	6.5	709	BDL	6/14/2011	286	300	40	BDL	0.015	8/14/2011	BDL	BDL	BDL	BDL	BDL	BDL
D-8	6/14/2011	13.8	131.0	BDL	5.4	523	BDL	6/14/2011	78	140	66	0.034	0.020	8/14/2011	BDL	BDL	BDL	BDL	BDL	BDL
D-12	6/7/2011	5.5	43.4	BDL	6.6	506	BDL	6/7/2011	205	185	28	0.015	0.037	6/7/2011	BDL	BDL	BDL	BDL	BDL	BDL
D-13	6/14/2011	7.7	69.8	BDL	6.5	325	BDL	6/14/2011	64	90	45	0.016	0.042	8/14/2011	BDL	BDL	BDL	BDL	BDL	BDL
D-14	6/21/2011	11.7	88.3	BDL	7.0	570	BDL	6/21/2011	150	180	28	BDL	0.028	6/21/2011	BDL	BDL	BDL	BDL	BDL	BDL
U-2	6/21/2011	18.0	18.4	2.48	7.2	503	BDL	6/21/2011	204	150	23	BDL	0.134	6/21/2011	BDL	BDL	BDL	BDL	BDL	BDL
U-3	6/14/2011	26.8	22.5	BDL	6.5	283	BDL	6/14/2011	114	90	21	BDL	0.050	6/14/2011	BDL	BDL	BDL	BDL	BDL	BDL
M-15	6/7/2011	23.0	150.0	0.71	5.6	577	BDL	6/7/2011	52	140	44	0.068	BDL	6/7/2011	BDL	BDL	BDL	BDL	BDL	BDL
M-16	6/7/2011	37.1	46.4	BDL	6.3	528	BDL	6/7/2011	200	200	15	0.007	0.016	6/7/2011	BDL	BDL	BDL	BDL	BDL	BDL
NO ADDITIONAL MONITORING WELLS ARE IDENTIFIED IN THIS SECTION																				
NOTES: These additional monitoring wells are not yet included in the EPD approved groundwater monitoring network. BDL = below detection limit																				

PARAMETER	WELL #	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
UNIT	D-1	7/26/2011	13.0	31.4	0.68	5.9	245	2												
PERMIT CODE	D-2	7/26/2011	4.3	33.1	BDL	6.9	450	BDL												
FREQUENCY	D-3	7/26/2011	16.0	36.5	BDL	6.8	473	1												
COMMITMENT	D-4	7/19/2011	10.2	184.0	0.52	6.2	911	BDL												
Permit Renewal Application	D-6	7/12/2011	2.3	94.7	0.51	7.0	751	BDL												
	D-9	7/12/2011	12.6	92.4	BDL	7.2	569	BDL												
	D-11	7/6/2011	7.2	3.1	BDL	5.2	113	9												
	M-1	7/26/2011	46.7	27.4	BDL	7.3	239	35												
	M-2	7/19/2011	10.7	14.3	BDL	7.6	361	BDL												
	M-3	7/19/2011	2.6	13.1	BDL	6.6	402	BDL												
	M-4	7/12/2011	18.1	15.2	BDL	6.0	1,028	BDL												
	M-5	7/6/2011	4.3	87.7	BDL	6.6	605	BDL												
	M-6A	7/12/2011	6.7	27.3	BDL	6.0	297	BDL												
	U-30	7/19/2011	16.6	4.2	BDL	4.6	39	BDL												
	U-40	M-B	7/19/2011	20.0	4.5	BDL	6.4	165	BDL											
	U-50	M-9	7/26/2011	14.1	3.9	BDL	6.8	332	BDL											
	U-60	M-10	7/26/2011	4.8	56.3	BDL	7.0	696	9											
	U-70	M-11	7/26/2011	11.7	48.2	BDL	6.9	589	3											
	U-80	M-12	7/19/2011	20.0	85.0	0.86	6.9	658	BDL											
	U-90	M-13	7/12/2011	3.6	155.0	0.52	6.7	997	BDL											
	U-100	M-14	7/6/2011	4.1	51.1	BDL	6.9	514	BDL											
	U-140	M-17	7/6/2011	8.0	141.0	BDL	5.7	791	20											
	U-10	U-1	7/26/2011	53.4	65.6	BDL	6.8	585	BDL											

NOTES: BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056
PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B,C & A)

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PERMIT PAGE(S)

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Each Groundwater Monitoring Well is identified in the left-hand column

Quarterly (Mar., June, Sept., Dec.)

NO PERMIT LIMITATION ESTABLISHED

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B.6 - GROUNDWATER MONITORING (AREAS A, B, C & A)

Each Groundwater Monitoring Well is identified in the left-hand column

PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
LOWER DET. LIMIT	N/A	1	0.5	N/A	N/A	N/A	N/A	N/A	1.0	1.0	1.0	0.005	0.01	0.01	0.01	0.01	0.01	0.01	0.01
UNIT	feet	mg/l	mg/l	s.s.	umhos/cm	#100 ml			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
PARM CODE	72019	00940	00620	00400	00094	74055			00410	00900	00154	47021	00885	01027	01034	01042	01092	01051	
FREQUENCY							Monthly							Quarterly (Mar., June, Sept., Dec.)					Bi-Annually (June, Dec.)
LIMITATION																			
DISCH #	WELL #																		
D-5	D-5	7/19/2011	6.2	95.5	0.54	7.0	686	BDL											
D-7	D-7	7/12/2011	8.6	58.7	BDL	7.0	720	BDL											
D-8	D-8	7/12/2011	13.4	115.0	BDL	6.2	512	3											
D-12	D-12	7/6/2011	6.1	19.3	BDL	6.9	220		39										
D-13	D-13	7/6/2011	7.5	75.6	BDL	6.2	412	3											
D-14	D-14	7/6/2011	11.5	32.0	BDL	6.6	564	3											
U-2	U-2	7/19/2011	18.3	20.6	1.98	7.2	461	BDL											
U-3	U-3	7/12/2011	27.0	21.0	BDL	6.8	296	BDL											
M-15	M-15	7/12/2011	24.8	159.0	1.11	6.0	597	BDL											
M-16	M-16	7/6/2011	39.3	48.7	0.78	6.2	501	BDL											

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056											
PERMIT CONDITION : B.8 - GROUNDWATER WELL MONITORING (AREAS AC, B, C & A)											
Each Groundwater Monitoring Well is identified in the left-hand column											
PARAMETER	Sample Date	Depth to GW	Chloride	NODs - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate
LOWER DET. LIMIT UNIT	N/A	1	0.5	N/A	N/A	N/A	N/A		1.0	1.0	0.005
PARM CODE	Feet	mg/l	mg/l	s.u.	umhos/cm	#/100 ml	#/100 ml		0.01	0.01	0.01
FREQUENCY	72019	00940	00620	00400	00094	74055	00900	00154	47021	00685	01027
LIMITATION	Monthly										
DISCH #	WELL #										
D010	D-1	8/30/2011	13.1	31.3	BDL	6.3	258	BDL			
D020	D-2	8/30/2011	4.3	40.0	BDL	6.9	478	BDL			
D030	D-3	8/30/2011	18.1	38.2	BDL	6.7	468	BDL			
D040	D-4	8/16/2011	11.4	174.0	BDL	6.2	931	BDL			
D060	D-6	8/16/2011	3.2	120.0	BDL	6.9	783	BDL			
D090	D-9	8/9/2011	13.0	91.1	BDL	7.0	534	BDL			
D110	D-11	8/2/2011	8.9	2.5	BDL	5.8	165	BDL			
M010	M-1	8/30/2011	47.9	12.4	BDL	7.4	120	BDL			
M020	M-2	8/23/2011	12.4	18.1	BDL	8.2	348	BDL			
M030	M-3	8/16/2011	3.0	11.7	BDL	6.6	422	BDL			
M040	M-4	8/9/2011	20.0	14.2	BDL	5.1	109	BDL			
M050	M-5	8/2/2011	5.1	89.1	BDL	6.8	603	BDL			
M060	M-6A	8/9/2011	7.2	43.9	0.68	6.1	332	BDL			
U030	M-7	8/23/2011	16.7	4.5	BDL	5.0	39	BDL			
U040	M-8	8/23/2011	22.0	5.2	BDL	5.9	142	BDL			
U050	M-9	8/23/2011	15.4	5.5	BDL	6.8	336	BDL			
U060	M-10	8/23/2011	5.9	62.1	BDL	6.9	895	BDL			
U070	M-11	8/23/2011	11.8	54.2	BDL	7.2	618	BDL			
U080	M-12	8/16/2011	21.9	74.8	BDL	6.6	651	BDL			
U090	M-13	8/16/2011	5.0	182.0	BDL	6.6	1,057	BDL			
U100	M-14	8/2/2011	4.6	51.5	BDL	7.0	460	BDL			
U140	M-17	8/22/2011	12.0	143.0	0.67	6.4	873	1			
U010	U-1	8/30/2011	53.7	77.7	BDL	6.5	609	3			

Bi-Annually (June, Dec.)

NO PERMIT LIMITATION ESTABLISHED

NO PERMIT LIMITATION ESTABLISHED

NO PERMIT LIMITATION ESTABLISHED

Attachment C to LAS Permit Renewal Application

NOTES: BDL = below detection limit

DALTON UTILITIES L.A.S. - PERMIT NO. GA02-056

PERMIT CONDITION : B-8 - GROUNDWATER WELL MONITORING (AREAS A, B, C & A)

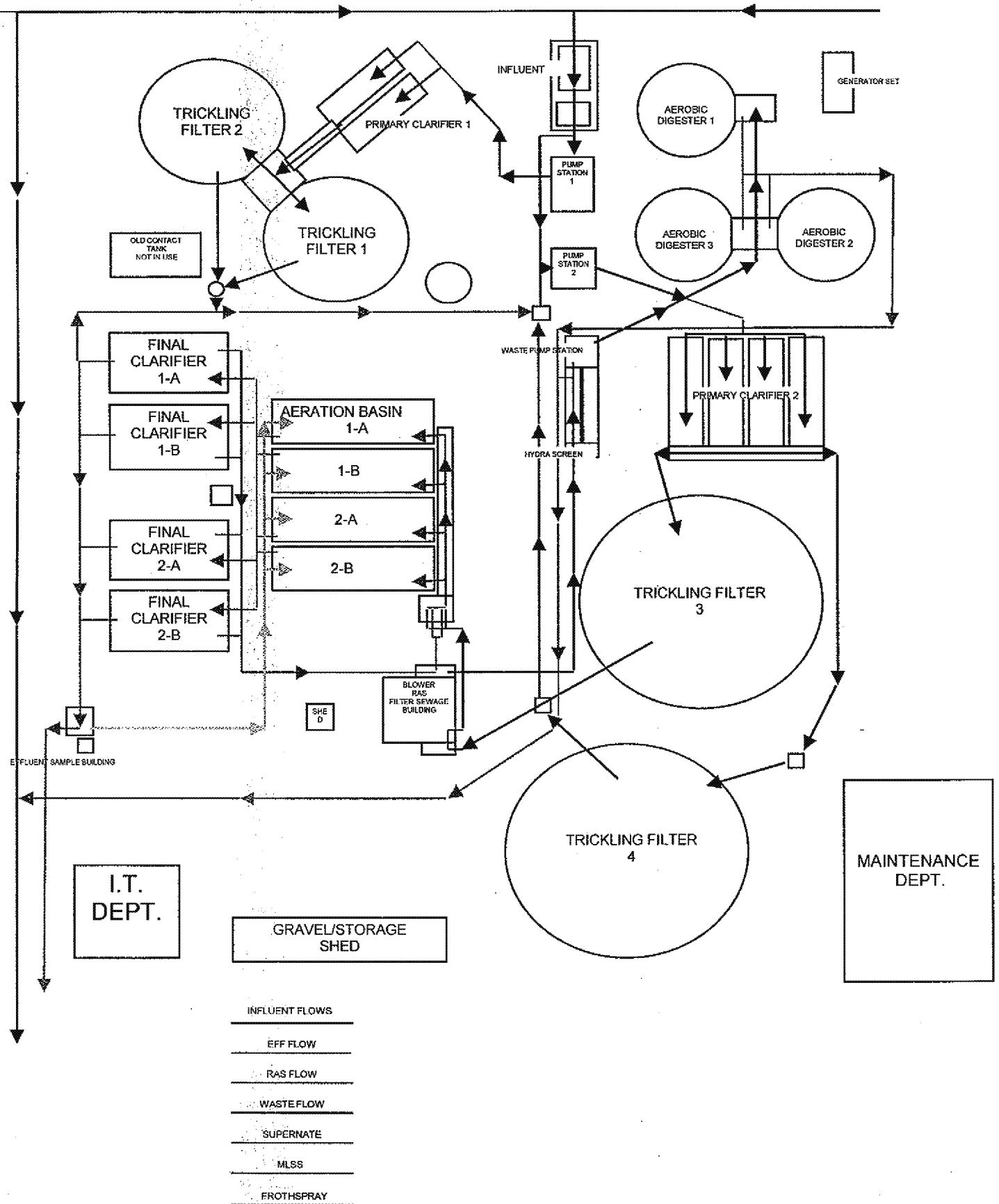
Each Groundwater Monitoring Well is identified in the left-hand column

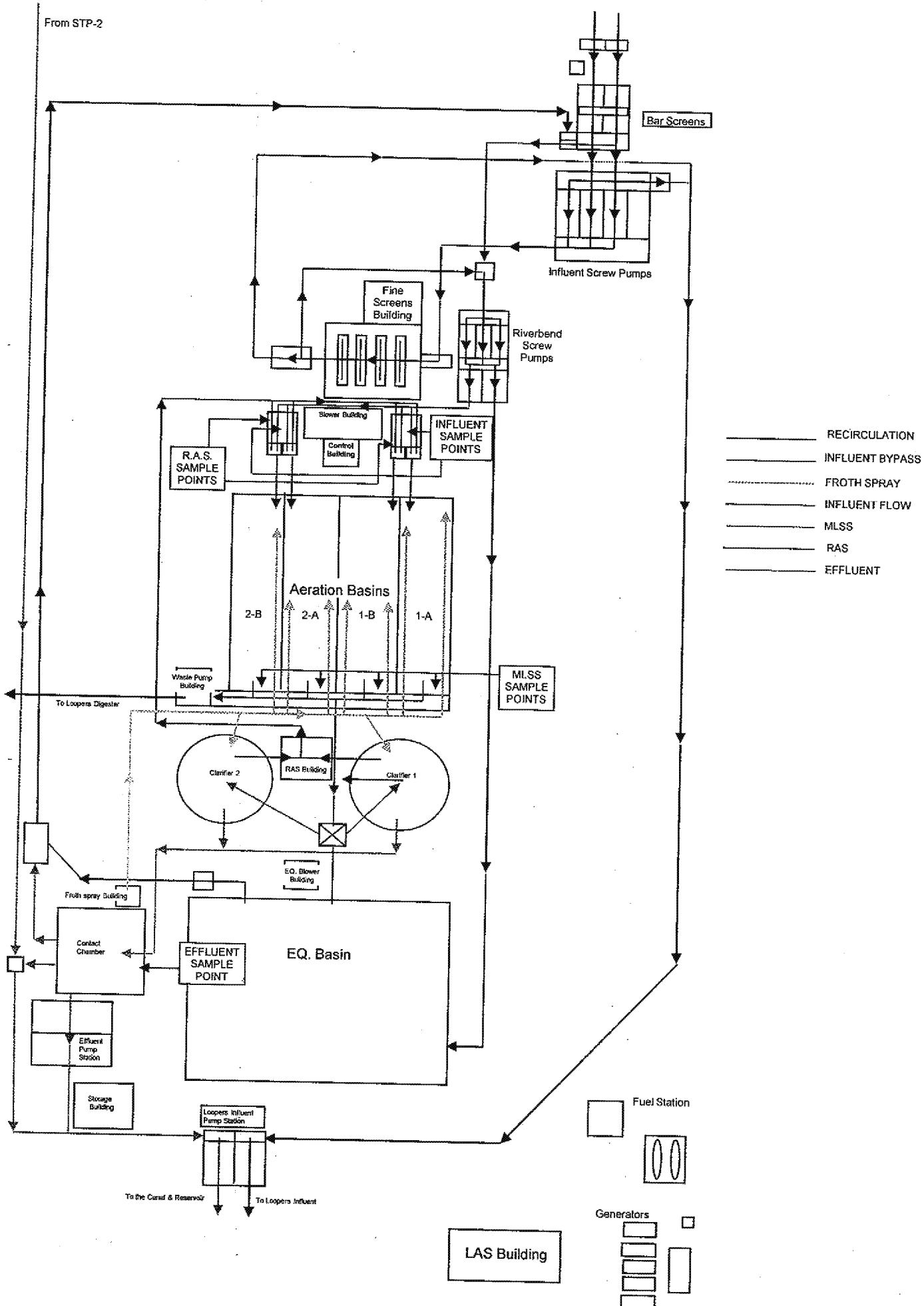
PARAMETER	Sample Date	Depth to GW	Chloride	NO3 - N	pH	Electric Cond.	Fecal Coliform	Sample Date	Total Alkalinity	Total Hardness	Sulfate	MBAS	Total Phos.	Sample Date	Cd Cadmium	Cr Chromium	Cu Copper	Zn Zinc	Pb Lead
LOWER DET. LIMIT UNIT																			
PARM CODE	72019	00940	00620	00400	00094	74055													
FREQUENCY							Monthly								Quarterly (Mar., June, Sept., Dec.)				
LIMITATION															NO PERMIT LIMITATION ESTABLISHED				
DISCH #	WELL #														NO PERMIT LIMITATION ESTABLISHED				
D-5	8/16/2011	6.8	91.5	BDL	7.1			6/6/1											
D-7	8/16/2011	8.8	73.0	BDL	6.9			7/8/9											
D-8	8/19/2011	13.8	125.0	0.68	5.3			5/4/2											
D-12	8/21/2011	6.9	41.7	BDL	7.1			3/3/2											
D-13	8/22/2011	8.6	71.8	BDL	6.7			4/1/6											
D-14	8/22/2011	11.9	79.3	BDL	6.9			5/6/2											
U-2	8/23/2011	19.2	17.9	1.73	7.1			4/8/6											
U-3	8/19/2011	27.7	19.7	0.84	6.4			2/8/6											
M-15	8/19/2011	26.4	155.0	1.35	5.4			5/7/6											
M-16	8/22/2011	40.1	39.9	0.80	6.7			4/3/8											

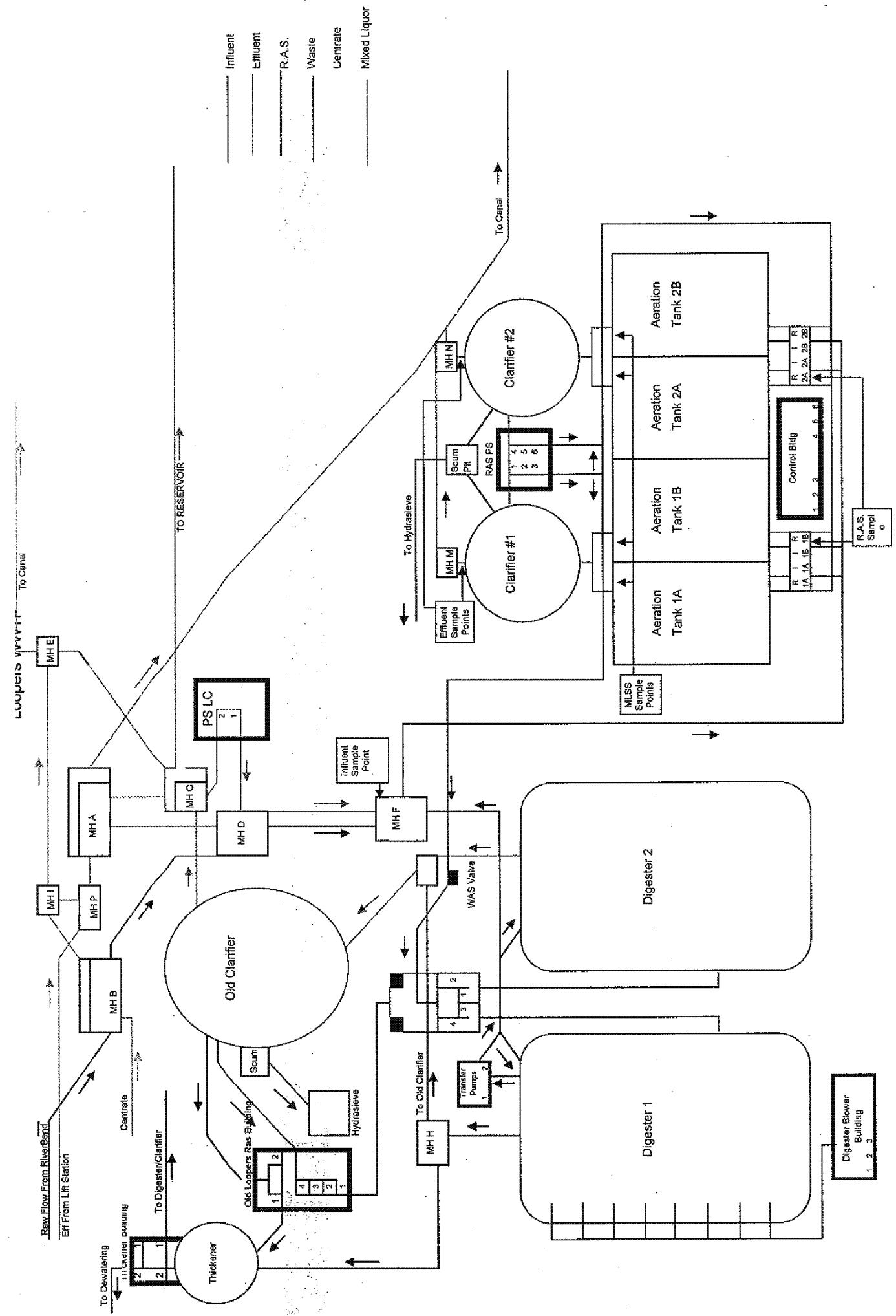
Permitted Industrial Users of Dalton Utilities' Wastewater Collection System

Industrial User	Standard Industrial Classification (SIC) Code	Estimated Daily Flow
Add Bac, Inc.	2273	0.004 MGD
Aladdin Mills	2273	2.600 MGD
AmeriChem	3087	0.027 MGD
Ashland	2861	0.104 MGD
Beaulieu 20	2824	0.100 MGD
Beaulieu 540	2273	0.002 MGD
Beaulieu 560	2273	0.550 MGD
Beaulieu 750	2824	0.045 MGD
Beaulieu 830	2273	0.900 MGD
Cagle's Farms, Inc.	0254	0.006 MGD
Chem-Tech Finishers, Inc.	2273	0.825 MGD
Color Express, Inc.	2269	0.006 MGD
Cycle-Tex	2821	0.004 MGD
Dorsett Industries	2273	0.030 MGD
Durkan	2273	0.420 MGD
Dyetech	2843, 2842, 2899	0.001 MGD
Global Textile Services	2273	0.002 MGD
Harcros Chemical Group	2819, 2869	0.022 MGD
IMACC Corporation	7699	0.025 MGD
J&J Industries	2273	0.167 MGD
Oglethorpe Power	4911	1.758 MGD
Lenmar Chemical Corporation	2843, 2899	0.040 MGD
Marquis	2273	0.025 MGD
MFG Chemical Brooks Road	2869	0.078 MGD
MFG Chemical Callahan Road	2869	0.070 MGD
MFG Chemical Kimberly Park	2869	0.170 MGD
New South Tank Wash	2981	0.008 MGD
Nurazzo	NA	0.003 MGD
Para-Chem	2899, 2869, 2821	0.178 MGD
Peach State Labs	2869, 2843, 2899	0.015 MGD
Premier Polymers Dalton	2843, 2899	0.005 MGD
Secoa Technologies	3479	0.004 MGD
Shaw 19	2273	0.007 MGD
Shaw Plant 20	2273	1.300 MGD
Shaw Plant 23	2273	0.306 MGD
Shaw Plant 4	2273	1.550 MGD
Shaw Plant 6	2273	0.039 MGD
Shaw Plant 80	2273	0.520 MGD
Shaw Plant 81	2273	0.630 MGD
Shaw Plant WD	2273	0.425 MGD
Star Holdings	2843, 2981	0.100 MGD
Synthetic Turf Resources	2273	0.036 MGD
Syntrex, LLC	2843, 2865, 2269, 2819	0.012 MGD
Tandus	2273	0.266 MGD
Textile Rubber	3069, 3552, 2822, 2899	0.005 MGD
World Carpets	2273	3.100 MGD

Abutment WWTP







FACILITY NAME AND PERMIT NUMBER:
Dalton Utilities Land Application System (LAS) Permit #GA02-056

SEWAGE SLUDGE ADDENDUM

Complete this part if you have an effective LAS permit or have been directed by the permitting authority to submit a new permit application at this time. In other words, complete this part if your facility has or is applying for an LAS permit.

For purposes of this form, the term "you" refers to the applicant. This facility and "your facility" refer to the facility for which application information is submitted.

APPLICATION OVERVIEW – SEWAGE SLUDGE USE OR DISPOSAL INFORMATION

1. **PART A: SEWAGE SLUDGE GENERATION AND MANAGEMENT**
Part A must be completed by all applicants.
2. **PART B: DISPOSAL IN A SOLID WASTE LANDFILL**
Part B must be completed by applicants that dispose sludge in a solid waste landfill.
3. **PART C: LAND APPLICATION OF SEWAGE SLUDGE**
Part C must be completed by applicants who either:
 - 1) Apply bulk sewage to the land, or
 - 2) Sell or give away sewage sludge in a bag or other container for application to the land.
4. **PART D: OFFSITE TREATMENT OR BLENDING**
Part D must be completed by applicants who send sewage sludge offsite for treatment or blending.
5. **PART E: INCINERATION**
Part E must be completed by applicants who incinerate sewage sludge.

PART A: SEWAGE STUDGE GENERATION AND MANAGEMENT

A.1. Sewage Sludge Management.

Indicate the sludge use or disposal method(s) used at the facility (check all that apply):

Landfill	<input type="checkbox"/>
Sent off-site for treatment or recycling	<input checked="" type="checkbox"/>
Land Application	<input type="checkbox"/>
Infiltration	<input type="checkbox"/>
Sell or giveaway in bag or other container	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/> Compost all biosolids

A.2. Description. Provide a narrative that identifies all sewage sludge processes that will be employed during the term of the permit, including all processes used for collecting, dewatering, storing, or treating sewage sludge.

In accordance with Dalton Utilities approved Sludge Management Plan and LAS Permit # GA02-056, all biosolids are dewatered and composted as detailed in the attached compost procedure (see Attachment A).

A.3. Contractor Information.

Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor? Yes No

If yes, provide the following for each contractor (attach additional pages if necessary):

- a. Name _____

b. Mailing Address _____

c. Telephone Number _____

d. Responsibilities of contractor _____

PART A. SEWAGE SLUDGE GENERATION AND MANAGEMENT (CONTINUED)**A.4. Sewage Sludge Amount.**

Provide the total dry tons per latest 365 day period of sewage sludge handled at your facility:

1. Amount generated at your facility	<u>4,731</u> dry tons
2. Amount received from off site facility(ies)	<u>10</u> dry tons
3. Total amount treated or blended on site	<u>4,741*</u> dry tons <i>*All converted to compost</i>

A.5. Amount Received from Off Site.

If your facility receives sewage sludge from another facility on a routine basis for treatment, use or disposal, provide the following information for each facility from which sewage sludge is received. Do not include information on septage. If you receive sewage sludge from more than one facility, attach additional pages as necessary.

Facility 1 of 2

a. Facility Name Dalton Utilities Whitfield Acres WWTP
 b. Facility Permit Number GA0047848
 c. Mailing Address PO Box 869
Dalton, GA 30722-0869
 d. Contact person Dena Haverland
 Title Regulatory Manager
 Telephone Number 706-529-1010
 e. Facility Address (not P.O. Box) 412 Frontier Trail
Dalton, GA 30720

Facility 2 of 2

a. Facility Name Dalton Utilities Mill Creek WWTP
 b. Facility Permit Number GA0038946
 c. Mailing Address PO Box 869
Dalton, GA 30722-0869
 d. Contact person Dena Haverland
 Title Regulatory Manager
 Telephone Number 706-529-1010
 e. Facility Address (not P.O. Box) 1619 Crow Valley Road
Dalton, GA 30720

f. Describe, on this form or on another sheet of paper, how the sludge received from off site is handled at your facility:

Biosolids from Dalton Utilities' Whitfield Acres and Mill Creek WWTPs are transported to the Land Application System (LAS) solids handling facility where they are combined with biosolids generated by the Abutment, Riverbend, and Loopers WWTPs. All of the biosolids are further processed as compost in accordance with the procedures described in Attachment A and our approved Sludge Management Plan.

B. Disposal in a Solid Waste Landfill.

Provide the following information for each solid waste landfill that accepts sewage sludge from your facility for disposal. If sewage sludge is placed on more than one municipal solid waste landfill, attach additional pages as necessary.

1. Name of landfill _____

2. Contact person _____

Title _____

Telephone Number _____

Contact is _____ Landfill Owner _____ Landfill Operator

3. Mailing Address

4. Location of solid waste landfill:

Street or Route # _____

County _____

City or Town _____

State & Zip _____

5. List, on this form or on another sheet of paper, the numbers of all other State permits that regulate the operation of this solid waste landfill:

Permit Number	Type of Permit

PART C. LAND APPLICATION OF SEWAGE SLUDGE - N/A

Complete Part C.1. if sewage sludge from your facility is applied to the land in bulk or sold or given away in a bag or other container for application to the land.

C.1. Treatment Provided At Your Facility.

- a. Which class of pathogen does the sewage sludge meet at your facility?

Class A Class B Neither or Unknown

- b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

Complete Part C.2. thru C.5. for sewage sludge applied in bulk to land application sites. If sewage sludge is applied to more than one site, attach additional pages as necessary.

C.2. Identification of Land Application Sites.

- a. Site name or identification number _____

- b. Site location (Complete 1 and 2)

1. Street or Route # _____

County _____ City or Town _____

State _____ Zip _____

2. Latitude _____ Longitude _____

Method of latitude/longitude determination

USGS map Field survey Other

- c. Topographic map. Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location.

PART C. LANDFILL APPLICATION OF SEWAGE SLUDGE CONTINUED - NA

Complete Part C.2. thru C.5. for sewage sludge applied in bulk to land application sites. If sewage sludge is applied to more than one site, attach additional pages as necessary.

C.3. Owner Information.

a. Are you the owner of the land application site? Yes No

b. If no, provide the following information about the owner:

Name _____

Telephone number _____

Mailing Address _____

C.4. Applier Information.

a. Are you the person who applies, or is responsible for the application of sewage sludge to the land application site?

Yes No

b. If no, provide the following information for the person who applies:

Name _____

Telephone number _____

Mailing Address _____

C.5. Site Type.

Identify the type of land application site from among the following:

Agricultural land Forest Public contact site (such as parks, ball fields, etc.)

Reclamation site Other (Describe) _____

PART D: OFFSITE TREATMENT OR BLENDING - N/A

Complete Part D if sewage sludge from your facility is provided to another facility that provides treatment or blending. This section does not apply to sewage sludge sent directly to a land application site. If you provide sewage sludge to more than one facility, attach additional pages as necessary.

D. Shipment Offsite for Treatment or Blending.

1. Receiving facility name _____
2. Mailing Address _____

3. Contact person _____
Title _____
4. Total dry tons per 365-day period of sewage sludge provided to receiving facility:
_____ (total dry tons per 365 day period)

PART E: INCINERATION - N/A

Complete Part E if sewage sludge from your facility is fired in a sewage sludge incinerator.

E. Incineration.

1. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? _____ Yes _____ No

If no, complete (2) for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one such sewage sludge incinerator, attach additional pages as necessary.

2. Incinerator facility name or identification number: _____

3. Contact person _____

Title _____

Telephone number _____

Contact is: _____ Incinerator owner _____ Incinerator operator

Composting Operation Procedure

The composting operation at Dalton Utilities' Loopers Bend Wastewater Treatment Plant is a joint effort between the Utility and Harvest Farms, LLC. Dalton Utilities operates two Westfalia Model CA 755 centrifuges and dewateres biosolids from our wastewater treatment plants to approximately 18-24% cake dryness. The dewatered biosolids are then mixed with a carbon source (wood waste) to achieve an approximate 30:1 carbon:nitrogen ratio and placed into aerated static piles in concrete bins.

During the initial composting period, the temperature of the dewatered biosolids rises to 131°F (55°C) or higher for three consecutive days, due to biological activity, which reduces the pathogens as required by 40 CFR 503 Appendix B. In addition, to achieve vector attraction reduction as required by GA EPD Water Quality Control Rules and Regulations 391-3-6-17(8), the temperature of the biosolids is maintained over 104°F (40°C) for at least 14 days, with an average temperature of 113°F (45°C). Temperature measurements are taken using a thermocouple device at multiple locations and depths in the material.

After the material has fully met the pathogen and vector reduction regulations, it is then removed from the concrete bins and placed on site in windrows or piles for an additional 60-90 days of curing. The windrows are periodically turned using mechanized equipment that thoroughly mixes and aerates the material.

After a 60-90 day curing time, the material is ready to be screened for particle size and final testing. The screened material is gathered and sold in bulk. The oversized material from the screening operation is mostly wood waste that is recycled for use in subsequent compost batches. Representative samples are collected and analyzed for the density of *Salmonella* sp. bacteria and the pollutants required by GA EPD to demonstrate compliance with GA EPD Water Quality Control Rules and Regulations 391-3-6-17. We are currently processing between 1,600 – 16,000 dry tons of biosolids annually; therefore, this analysis will be performed every 60 days to verify that the material meets the vector attraction reduction and pollutant concentration limits of GA EPD Water Quality Control Rules and Regulations 391-3-6-17.

